



Description

The Watch Cabin Unit (WCU/LED), is a unit required to run an unmanned engine room. Its main functions are to indicate engine room alarms with buzzer and light in the cabins and in the living quarters of the engineer on duty while in bridge control.

The panel has 16 group alarm indicators in addition to one common machinery alarm lamp. The alarms can be grouped according to the customer's specification.

The WBU/LED communicates with the main MCU in the DataChief alarm system using a high speed communication network (CAN). A redundant solution with automatic changeover to another MCU in case of failure in the main MCU, can be provided.

Functions

- Alarm group indicators.
- Repeat alarm (buzzer only)
- Indication of engineer on duty.
- Indication of call from engine and call from bridge.
- Self-check function with "fail-safe" indication.
- Communication error indication.
- System failure indication.
- Buzzer, sound off and test function.
- Fire alarm indicator.

Features

- 15 group alarm lamps
- 1 system failure lamp
- 1 common machinery alarm lamp
- 1 communication error lamp
- 1 fail safe lamp.
- 1 buzzer
- 1 buzzer reset button
- 1 on-duty lamp
- 5 engineer on-duty lamps
- 1 "call from bridge" lamp
- 1 "call from engine" lamp
- 1 test push button for panel buzzer and lamps.
- 1 separate output for external buzzer
- 1 separate input for fire alarm lamp and buzzer (option)
- Fire alarm buzzer and LED
- Diode to indicate panel error

Supply voltage

- 18 - 32 VDC

Power consumption

- 5 W

Operating temperature

- -15°C to + 70°C

Storage temperature

- - 30°C to + 80°C

Max. rel. humidity

- 97% no-condensation

IP Code

- IP 22

ENV properties

- IACS E10
- IEC 60945

Vibration

- 1 G

Weight of unit

- 1.4 kg

Mounting

- Screws (4 pcs M4)

Dimension

- Outline: W240 x H144 x D50 mm
- Cut out: W211 x H138 mm

Type Approval

- DNV, LRS, BV, GL, RINA, NK, ABS, KR, RMR, CCS (part of K-Chief certification)

